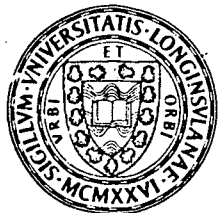


E7.3 10735  
CR-133079



# LONG ISLAND UNIVERSITY

SCIENCE ENGINEERING RESEARCH GROUP

ERTS 070

ADDRESS REPLY TO:  
SCIENCE ENGINEERING RESEARCH GROUP  
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15 February 1973.

National Aeronautics & Space Administration  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period  
December 15, 1972 to February 15, 1973

This document is submitted herewith in reference to Contract No.  
NAS5-21792 and includes the following:

- A) Title of the Investigation: An Interdisciplinary Study of the  
Estuarine and Coastal Oceanography  
of Block Island Sound and Adjacent  
New York Coastal Waters
- B) GSFC Identification Number: UN 558 (Dr. Edward Yost)
- C) As a part of the continuing program to collect ground truth in  
New York Bight and Block Island Sound, three cruises have been  
accomplished since mid-December.

<u>Date</u>	<u>Remarks</u>
19,20,21 Dec. '72	New York Bight, satellite day (20th) turned out to be cloudy.
24,25,26 Jan. '73	New York Bight, another cruise under clear skies on a satellite day (25th).
13 Feb. '73	Block Island Sound, under partly cloudy skies.

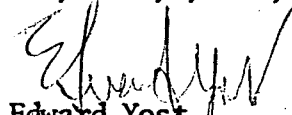
During each of the cruises, samples were collected for temperature,  
salinity, nutrients, oxygen, pigments, organics, phytoplankton,  
light attenuation, and fluorometer readings. These data are currently  
being analyzed.

E73-10735) AN INTERDISCIPLINARY STUDY OF  
THE ESTUARINE AND COASTAL OCEANOGRAPHY OF  
BLOCK ISLAND SOUND AND ADJACENT NEW YORK  
COASTAL WATERS Progress Report, (Long  
Island Univ.) 2 p HC \$3.00 CSCI 08J  
Unclas  
G3/13 00735  
N73-26341

ERTS 070 Type I Progress Report continued ...

- D) ERTS-A imagery was examined through color enhancing together with personnel from the New York Ocean Science Laboratories. Certain features that were observed in these photographs relating to colored water mass off Long Island and visible signs of pollution in the dump areas in the New York Bight are being investigated. The fluorometric data is showing evidence of large-scale geographic changes in background fluorescence, as well as depicting the "patchings of chlorophyll".
- E) Approximately 60% of the sampling effort in the field has been undertaken and approximately 50% of the laboratory effort has been completed. Another two cruises for oceanographic measurements are planned for the period February to April 1973, thereby completing approximately 90% of the field work. Phase III activity under this contract is also expected to start from April 1973.

Very truly yours,



Edward Yost  
Professor and Director